

Title (en)
HEAT-SENSITIVE RECORDING MATERIAL

Title (de)
WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL

Title (fr)
MATERIAU D ENREGISTREMENT SENSIBLE A LA CHALEUR

Publication
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Application
EP 05805522 A 20051101

Priority
• JP 2005020120 W 20051101
• JP 2004322023 A 20041105
• JP 2005150282 A 20050524

Abstract (en)
[origin: EP1808304A1] The present invention provides a heat-sensitive recording material that comprises a support, a heat-sensitive recording layer comprising a leuco dye and a developer, and a protective layer principally comprising a pigment and a binder. The support, the heat-sensitive recording layer, and the protective layer are provided in this order. The protective layer comprises: (1) a pigment of secondary particles with an average particle diameter of 30 to 900 nm formed by aggregation of amorphous silica primary particles with a particle diameter of 3 to 70 nm; or (2) a pigment of secondary particles with an average particle diameter of 30 to 900 nm formed by aggregation of amorphous silica primary particles with a particle diameter of 3 to 70 nm, and a binder comprising acetoacetyl modified polyvinyl alcohol with a saponification degree of 90 to 100 mol% and a polymerization degree of 1900 to 5000.

IPC 8 full level
B41M 5/42 (2006.01); **B41M 5/44** (2006.01)

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B41M 5/42 (2013.01 - EP US); **B41M 5/426** (2013.01 - EP US); **B41M 5/44** (2013.01 - EP US); **B41M 2205/04** (2013.01 - EP US)

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EP2412535A4; US8673812B2; US8871678B2; US8466085B2; US8492308B2; US8609582B2; US8283284B2

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